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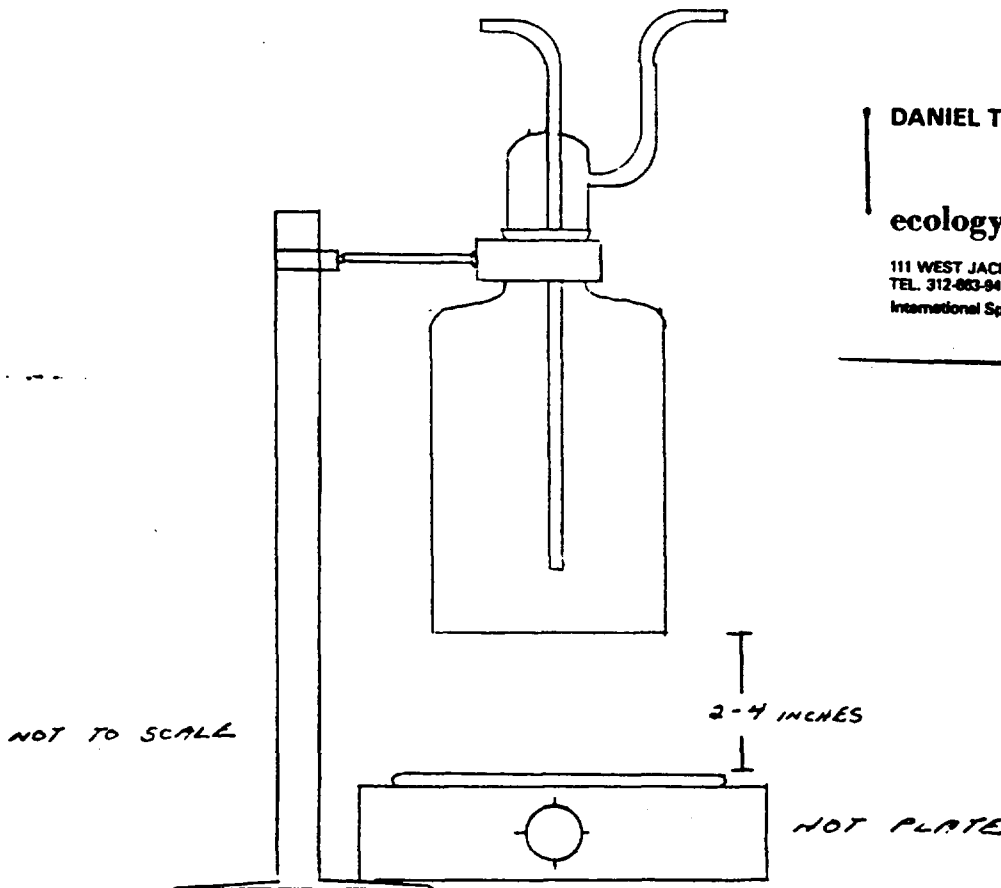


DANIEL T. SEWALL

ecology and environment, inc.

111 WEST JACKSON BOULEVARD, CHICAGO, IL 60604
TEL. 312-663-9415

International Specialists in the Environment



LISSA :

THE DIAGRAM ABOVE IS A ROUGH SCHEMATIC OF THE METHOD WE HAVE BEEN USING TO TEST FOR ORGANIC VAPORS IN SOIL SAMPLES. THE DISTANCE BETWEEN THE HOT PLATE AND THE BOTTLE HAS VARIED. THE BOTTLES HAVE NEVER BEEN SUSPENDED OVER HEAT FOR MORE THAN 5 MINUTES, AND THE BOTTLES ARE ALLOWED TO COOL COMPLETELY PRIOR TO WASHING WITH TSP AND WATER. PRIOR TO EMPLOYING THIS METHOD, I SPOKE WITH A SERVICE REP. AT KIMBALL ON OCTOBER 14. I DO NOT HAVE THE NAME OF THE REP., BUT I WAS TOLD THAT THE BOTTLES SHOULD BE OK. TO 1500°F ON DIRECT OR INDIRECT HEAT. I APOLOGIZE FOR ANY INCONVENIENCE THIS MAY CAUSE, AND I APPRECIATE YOUR ASSISTANCE. IF THIS METHOD IS INSUFFICIENT, PLEASE CONTACT ME AT 618/337-6248 (FIELD OFFICE), OR 312/663-9415 (CHICAGO OFFICE).

SINCERELY,

Dan Sewall

PS. LISSA, THE BOX MARKED WITH RED X'S CONTAINS THE BROKEN BOTTLE. PLEASE BE CAREFUL.

2-9-88

Mr Forster -

What kind of B.S. is this? (See attached memo). Have you recently run out of things to do that you find the necessity to write a memo about things that occurred 10-12 months ago? Lets try to get things into perspective. The OVA was sent to us in a non-working condition. Repairs were done in the field because no other OVA's were available and six people cannot stand around for days while equipment gets sent back to Buffalo for repairs. The OVA and HN's were used for many months of field work without being returned to Buffalo. It does not seem unreasonable to expect wear and tear from extensive prolonged field work to cumulatively equal that of a full years worth of once a week use. There is no excuse for the absence of entries in the log book or a discharging battery, if that occurred. The air lines were steam cleaned as good as possible in the field.

Adversarial memos such as yours leads me to question your motives. Certainly it heightens our awareness of need for care of the equipment. At the same time it totally undermines a team attitude and promotes an us against them environment.

I think your memo was in ill conceived attempt discredit our staff. To advise staff members that they have done something wrong, in a timely fashion, is constructive and useful. To create an exaggerated spectacle at a time months after an incident occurred can only be motivated by a need to C.Y.A. at the expense of others.

W. L. Miller

cc P. Felgenauer
R. Van Someren
G. Strobel
P. Jonnaire

MEMORANDUM

To: M. Miller, E & E Chicago
From: M. Forster, E & E Buffalo *mf*
Date: February 2, 1988
Subject: Corporate Equipment used at Dead Creek
cc: G. Strobel, P. Jonmaire, ~~R. Van Someren~~, P. Felgemacher

The following problems were noted with equipment that was used at Dead Creek and returned to Buffalo:

1. OVA 01-01-003 (returned 2/20/87):

- o There were no entries in the log book. *This is my mistake. Because daily maintenance & calibrations were done, and because of all of the other paperwork (daily log, sample log, safety log, EEP log) it was overlooked.*
- o There was no charger in the case.
- o The pump was left on discharging the battery. *→ This is highly doubtful. Do you really believe we would pack the pump with the pump running.*
- o The eccentric bearing was disconnected from the pump and a set screw OVA with was stripped.
- o The ignitor cord was re-soldered poorly. *→ BUT WAS OPERABLE*
- o The battery pack was dented. *→ AS IT WAS PRIOR TO RECEIPT.*
- o A dent in the metal frame caused the pump to be misaligned. *DITTO*
- o A latch was broken. *DITTO*
- o A large amount of dirt was found inside the sample inject plumbing. This caused a reduction in the sample flow rate. *↓*

2. Air lines (returned 5/14/87):

- o They were covered with oil and dirt.

3. *HUN* 01-02-003-02 (returned 5/14/87):

- o Probe cord had been pulled. This caused the pins at the base of the probe to be pulled in toward the center breaking the connections.

I was unaware of this. Again, the normal wear and tear of 4-5 months of everyday use should be expected.
Before returning equipment to Buffalo, field personnel should assure that:

1. The equipment log has been completed. Information in this log will tell us if the equipment has been operating properly.
2. The instrument switches are placed in the off position.
3. Equipment has been decontaminated. Other Regional Offices have also returned contaminated equipment to Buffalo. Therefore, we will address this health and safety problem in a separate memorandum to each Regional Office.

We prefer that field personnel refrain from conducting repairs on corporate equipment. It has been our experience that field repairs on one equipment component may result in additional damage to other components.

BECAUSE THE ORIGINAL OVA SHIPPED FROM BUFFALO TO DEAD CREEK WAS INOPERABLE WHEN RECEIVED, AND BECAUSE OF THE EXTREMELY LIMITED SUPPLY OF EQUIPMENT OF THIS NATURE

recycled paper
AVAILABLE FOR COMMERCIAL PROJECTS, IT WAS NECESSARY TO

We suggest that field personnel limit their maintenance work on corporate OVA's to:

- ✓ 1. Change and/or charge the battery.
- ✓ 2. Replace the charcoal and filters.
- ✓ 3. Fill the tank with hydrogen.
4. Check to see if the ignitor is working. If the ignitor is not working, call Pete Felgemacher at the Analytical Services Center. Pete will provide the procedure for ignitor replacement.

ATTENTION: M. Miller

EQUIPMENT USAGE REPORT FORM

W/E 5/2/87

Equipment

<u>Number</u>	<u>Description</u>	<u>Job #</u>	<u>Days Used</u>	<u>Cost</u>
<u>13-03-003</u>	<u>Data logger</u>	<u>IL31405</u>	<u>7</u>	<u>325.00</u>
<u>01-03-001</u>	<u>O₂ upbaiter</u>	<u>"</u>	<u>"</u>	<u>40.25</u>
<u>08-01-004</u>	<u>Mini red</u>	<u>"</u>	<u>"</u>	<u>52.50</u>
<u>03-01-005</u>	<u>Dual purpose breathing</u>	<u>"</u>	<u>"</u>	<u>47.50</u>
<u>03-01-002</u>	<u>unit "</u>	<u>"</u>	<u>"</u>	<u>47.50</u>
<u>02-01-004</u>	<u>pH/Conductivity</u>	<u>"</u>	<u>"</u>	<u>21.75</u>
<u>01-04-004</u>	<u>Monitor - HCN</u>	<u>"</u>	<u>"</u>	<u>65.00</u>
<u>07-02-004</u>	<u>First aid kit</u>	<u>"</u>	<u>"</u>	<u>0</u>
<u>01-07-010</u>	<u>Personal pump</u>	<u>"</u>	<u>"</u>	<u>13.50</u>
<u>01-07-011</u>	<u>" "</u>	<u>"</u>	<u>"</u>	<u>13.50</u>
<u>14-05-001</u>	<u>Infiltrometer</u>	<u>"</u>	<u>"</u>	<u>0</u>
<u>13-13-003</u>	<u>Data logger</u>	<u>"</u>	<u>"</u>	<u>325.00</u>
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Please approve & return to B. Shanks
in the Buffalo office. If incorrect,
contact J. Felgmaster.

ATTENTION: Mike Miller

EQUIPMENT USAGE REPORT FORM

W/E 3/9/87

Equipment

<u>Number</u>	<u>Description</u>	<u>Job #</u>	<u>Days Used</u>	<u>Cost</u>
<u>13-03-003</u>	<u>Data Logger</u>	<u>IL3140</u>	<u>28</u>	<u>\$1,300.00</u>
<u>01-03-001</u>	<u>62 Explosimeter</u>	<u>IL3140</u>	<u>14</u>	<u>80.50</u>
<u>08-01-004</u>	<u>Mini Rad</u>	<u>"</u>	<u>14</u>	<u>105.00</u>
<u>03-05-001</u>	<u>Cascade System</u>	<u>"</u>	<u>14</u>	<u>25.00</u>
<u>03-06-006</u>	<u>Dual Prep Breathing Ap.</u>	<u>"</u>	<u>14</u>	<u>95.00</u>
<u>03-01-005</u>	<u>Dual Prep Breathing Ap</u>	<u>"</u>	<u>14</u>	<u>95.00</u>
<u>03-01-003</u>	<u>"</u>	<u>"</u>	<u>14</u>	<u>95.00</u>
<u>03-01-007</u>	<u>"</u>	<u>"</u>	<u>14</u>	<u>95.00</u>
<u>03-01-002</u>	<u>"</u>	<u>"</u>	<u>14</u>	<u>95.00</u>
<u>02-01-004</u>	<u>PH/Conductivity</u>	<u>"</u>	<u>14</u>	<u>43.50</u>
<u>01-04-004</u>	<u>Monitox - HEN</u>	<u>"</u>	<u>14</u>	<u>130.00</u>
<u>01-07-010</u>	<u>Personal Pump</u>	<u>"</u>	<u>14</u>	<u>27.00</u>
<u>01-07-011</u>	<u>Personal Pump</u>	<u>"</u>	<u>14</u>	<u>27.00</u>
<u>01-01-002</u>	<u>DVA</u>	<u>"</u>	<u>14</u>	<u>710.00</u>
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Approved by _____

NOTE: Please approve and return to B. Slimko at the Buffalo office.

If incorrect, contact P. Felgemacher.

050.51 887

ATTENTION: M. Miller

EQUIPMENT USAGE REPORT FORM

W/E May 16, 1987

Equipment Number	Description	Job #	Days Used	Cost
01-03-001	02 Explosimeter	IL3140	7	40.25
08-01-004	Mini Rad	"	7	52.50
03-05-001	Cascade System	"	7	12.50
03-01-006	(Dual Pump.	"	7	47.50
03-01-005	{ Breathing	"	7	47.50
03-01-003	{ Apparatus	"	7	47.50
03-01-007	"	"	7	47.50
03-01-002	"	"	7	47.50
01-04-004	Monitor-HCN	"	7	65.00
01-07-010	Personal Pump	"	7	13.50
01-07-011	Personal Pump	"	7	13.50
13-03-003	Data Logger	"	14	650.00
01-01-002	DVA	"	7	355.00

Approved by _____

NOTE: Please approve and return to B. Slimko at the Buffalo office.

If incorrect, contact P. Felgemacher.

JUN 08 1987

ATTENTION: M. Miller

RECEIVED
JUN 05 1987

TAT-BATON POLICE

EQUIPMENT USAGE REPORT FORM

W/E May 23, 1987

Equipment Number	Description	Job #	Days Used	Cost
<u>1305003</u>	<u>Data Logger</u>	<u>IL340</u>	<u>14</u>	<u>925.00</u>
<u>01-03-001</u>	<u>02 Explosimeter</u>	<u>"</u>	<u>3</u>	<u>48.00</u>
<u>08-01-004</u>	<u>Mini Rad</u>	<u>"</u>	<u>7</u>	<u>100.00</u>
<u>03-05-001</u>	<u>Cascade System</u>	<u>"</u>	<u>3</u>	<u>15.00</u>
<u>03-01-006</u>	<u>Dual Purp.</u>	<u>4</u>	<u>3</u>	<u>57.00</u>
<u>03-01-005</u>	<u>Breathing</u>	<u>"</u>	<u>3</u>	<u>57.00</u>
<u>03-01-003</u>	<u>Apparatus</u>	<u>"</u>	<u>3</u>	<u>57.00</u>
<u>03-01-007</u>	<u>"</u>	<u>"</u>	<u>3</u>	<u>57.00</u>
<u>03-01-002</u>	<u>"</u>	<u>"</u>	<u>3</u>	<u>67.00</u>
<u>02-01-004</u>	<u>At / Conductivity</u>	<u>"</u>	<u>7</u>	<u>40.00</u>
<u>01-04-004</u>	<u>Monitox - Hew</u>	<u>"</u>	<u>7</u>	<u>125.00</u>
<u>01-07-00</u>	<u>Personal Pump</u>	<u>"</u>	<u>3</u>	<u>15.00</u>
<u>01-07-01</u>	<u>"</u>	<u>"</u>	<u>3</u>	<u>15.00</u>
<u>01-01-002</u>	<u>OVA</u>	<u>"</u>	<u>7</u>	<u>650.00</u>
_____	_____	_____	_____	_____
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Approved by _____

NOTE: Please approve and return to B. Slimko at the Buffalo office.
If incorrect, contact P. Felgemacher.

JUN 08 1987

ATTENTION: M. Miller

EQUIPMENT USAGE REPORT FORM

W/E May 30, 1987

<u>Equipment Number</u>	<u>Description</u>	<u>Job =</u>	<u>Days Used</u>	<u>Cost</u>
<u>13-03-003</u>	<u>Data Logger</u>	<u>JL3140</u>	<u>10</u>	<u>685.00</u>
<u>08-01-004</u>	<u>Mini Rac</u>	<u>JL3140</u>	<u>7</u>	<u>52.50</u>
<u>02-01-004</u>	<u>pH/Conductivity</u>	<u>"</u>	<u>7</u>	<u>21.75</u>
<u>01-04-004</u>	<u>Monitor - HCN</u>	<u>"</u>	<u>7</u>	<u>65.00</u>
<u>01-01-002</u>	<u>OVA</u>	<u>"</u>	<u>7</u>	<u>355.00</u>
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Approved by _____

NOTE: Please approve and return to B. Slimko at the Buffalo office.
If incorrect, contact P. Felgemacher.

ATTENTION: Mike Miller Chicago

W/E 6/6/87

Approved by _____

* Rates charged as follows: 1 - daily rate; 2 - weekly rate; 3 - monthly rate

ATTENTION: M. Miller-Chicago

EQUIPMENT USAGE REPORT FORM

W/E 6/6/87

[illegible]

Approved by _____

NOTE: Please approve and return to B. Slimko at the Buffalo office. If incorrect, contact P. Felgemacher.

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